

04-17-01

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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

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Please type a plus sign (+) inside this UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 1242/26/2

First Inventor David B. Mount

Title See 1 in Addendum

Express Mail Label No. EK580268211US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 162]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 42]

5. Oath or Declaration [Total Pages 3]

- a. ☒ Unexecuted
~~Not Executed~~ (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☒ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☒ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☒ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
- c. ☒ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☒ Other: Check for \$1,740.00

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. _____

Prior application information: Examiner _____ Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Labelor ☐ Correspondence address below

Name

25297

PATENT TRADEMARK OFFICE

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Arles A. Taylor, Jr.

Registration No. (Attorney/Agent)

39,395

Signature

Date

April 16, 2001

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04/16/01

Jc962 U.S. PTO

Jc962 U.S. PTO
04/16/01

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JC962 U.S. PTO

PTO/SB/17 (11-00)

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JC962 U.S. PTO
09/835976

04/16/01

**FEE TRANSMITTAL
for FY 2001**

Patent fees are subject to annual revision.

Complete if Known

Application Number	
Filing Date	
First Named Inventor	David B. Mount
Examiner Name	
Group Art Unit	
Attorney Docket No.	1242/26/2

TOTAL AMOUNT OF PAYMENT (\$)**1740.00****METHOD OF PAYMENT**

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	
Deposit Account Name	

☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17☒ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:**

☒ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	355
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$)**355.00****2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
110	-20** = 90	9	810
14	-3** = 11	40	440
Multiple Dependent		135	135

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**1385.00**

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**0.00****SUBMITTED BY**

Name (Print/Type)	Arles A. Taylor, Jr.	Registration No. (Attorney/Agent)	39,395	Telephone	(919)493-8000
Signature	<i>Arles A. Taylor, Jr.</i>	Date	April 16, 2001		

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Addendum

1. PURIFIED AND ISOLATED POTASSIUM-CHLORIDE COTRANSPORTER NUCLEIC ACIDS AND POLYPEPTIDES AND THERAPEUTIC AND SCREENING METHODS USING SAME

093976-041601

JENKINS & WILSON, P.A.

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E. ERIC MILLS, P.E. (PATENT AGENT)

April 16, 2001

"Express Mail" mailing number.: EK580268211US

Date of Deposit 4/16/01

I hereby certify that this paper of fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner of Patent and Trademarks, Washington, D.C.

April N. Williams

April N. Williams

Commissioner for Patents
BOX PATENT APPLICATION
Washington, D.C. 20231

Re: U.S. Patent Application for PURIFIED AND ISOLATED POTASSIUM-CHLORIDE COTRANSPORTER NUCLEIC ACIDS AND POLYPEPTIDES AND THERAPEUTIC AND SCREENING METHODS USING SAME
Our File No. 1242/26/2

Sir:

Please find enclosed the following:

1. A U.S. patent application for PURIFIED AND ISOLATED POTASSIUM-CHLORIDE COTRANSPORTER NUCLEIC ACIDS AND POLYPEPTIDES AND THERAPEUTIC AND SCREENING METHODS USING SAME (162 pages);
2. Forty-two (42) sheets of drawings;
3. Unexecuted Declaration (3 pages);
4. Copy of previously recorded executed Assignment (3 pages);
5. Utility Patent Application Transmittal Form (Form PTO/SB/05, 2 pages);
6. Fee Transmittal Form (Form PTO/SB/17) in duplicate;
7. Copy of previously filed Recordation Form Cover Sheet (Form PTO-1595, 1 page);

109140" 24652260

Commissioner for Patents
April 16, 2001
Page 2

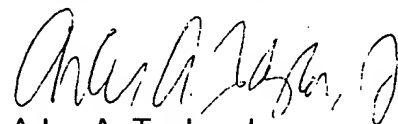
8. Copy of Notice of Recordation of Assignment Document indicating reel/frame information;
9. Sequence Listing in Computer Readable Form (the undersigned hereby verifies the identity of the computer readable form of the Sequence Listing and the Sequence Listing as presented on the enclosed compact discs);
10. Sequence Listing on compact disc (in duplicate);
11. Transmittal Letter for Compact Discs (CDs) Bearing Sequence Listing - Copy 1);
12. Transmittal Letter for Compact Discs (CDs) Bearing Sequence Listing - Copy 2);
13. A check in the amount of \$1740.00 to cover the application filing fee;
14. A return-receipt postcard to be returned to our offices with the U.S. Patent and Trademark Office date stamp thereon; and
15. A Certificate of Express Mail No.: EK580268211US.

Please contact our offices if there are any questions.

Although a check is being submitted, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment associated with the filing of this correspondence to Deposit Account Number 50-0426.

Respectfully submitted,

JENKINS & WILSON, P.A.



Arles A. Taylor, Jr.
Registration No. 39,395

AAT/ajm

Enclosures

09835976-041601

TRANSMITTAL LETTER FOR COMPACT DISCS (CDs)

BEARING SEQUENCE LISTING – COPY 1

Title of Invention: PURIFIED AND ISOLATED POTASSIUM-
CHLORIDE COTRANSPORTER NUCLEIC
ACIDS AND POLYPEPTIDES AND
THERAPEUTIC AND SCREENING METHODS
USING SAME

Applicants: David B. Mount, Eric Delpire, Gerardo Gamba,
Alfred L. George, Jr.

Attorney Docket No.: 1242/26/2

Customer No.: 25297

Filing Date: April 16, 2001

Description of Compact Discs Bearing Sequence Listing:

The Sequence Listing associated with the disclosure of the above-noted application has been submitted as an about 275 kilobyte file on compact disc (in duplicate). The duplicate compact discs, Copy 1 and Copy 2, are identical. The enclosed compact discs include one (1) file as follows: File Name (1242-26-2.txt.txt), Creation Date (April 15, 2001), Computer System (IBM-PC/MS-DOS/MS-Windows).

Respectfully submitted,

JENKINS & WILSON, P.A.



Arles A. Taylor, Jr.
Registration No. 39,395